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इस भाग में बिम्ब पृष्ठ संख्या दी जाती है, जिससे कि यह अलग संकलन के रूप में रखा जा सके  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
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Calcutta, the 27th January 1983

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**APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017.**

The dates shown in crescent brackets are the dates claimed Under Section 135, of the Act.

22nd December, 1982.

1477/Cal/82. American Cyanamid Company. Concentrated emetic herbicidal composition and method for the preparation thereof.

1478/Cal/82. Enoxy Chimica S. P. A. Multifunctional anionic initiators and their use.

1479/Cal/82. Preformed Line Products Company. Dead-end appliance for linear bodies.  
23rd December, 1982.

1480/Cal/82. Montedison S.P.A. New catalyst components for the polymerization of alpha-olefins and catalysts obtained therefrom.

1481/Cal/82. Montedison S.P.A. New catalyst components for the polymerization of ethylene and of mixtures thereof with olefins and catalysts obtained therefrom.

1482/Cal/82. Jeumont-Schneider. Device for the transmission of signals over a line which likewise ensures a D.C. voltage supply.

1483/Cal/82. E.I. Du Pont De Nemours & Company. Non-electric blasting assembly.

1484/Cal/82. Unilever PLC. Tea extraction process.  
24th December, 1982.

1485/Cal/82. The Jacobs Manufacturing Company. Engine retarding system.

1486/Cal/82. Dipak Kumar Roy and Sunil Mondal. Tubewell strainer or filter.

1487/Cal/82. Laboratoire Roger Ballon. Novel naphthyridine derivatives, intermediates thereof, and processes for preparation thereof. [Divisional Date 6th Sept. 1979].

1488/Cal/82. Cummins Engine Company, Inc. Control system for a dual fuel internal combustion engine.

1489/Cal/82. Dr. C. Otto & Comp. GmbH. Heating system for the regenerative heating of a coke over battery having twin heating flues.

1490/Cal/82. Ingenieursbureau A.P. Van Den Berg B. V. A soil investigation device.  
27th December, 1982.

1491/Cal/82. TRP Energy Sensors, Inc. Temperature-responsive pacifier assembly and process for manufacturing same.

1492/Cal/82. Union Carbide Corporation. Process for producing particulate novolac resins and aqueous dispersions.

1493/Cal/82. Cummins Engine Company, Inc. Idler mechanism.

1494/Cal/82. Stauffer Chemical Company. A process for preparing a herbicidal composition. [Divisional date 4th Sept., 1980].

1495/Cal/82. Kabushiki Kaisha Meidensha. Vacuum interrupter.

28th December, 1982.

1496/Cal/82. American Can Company. Laminate web produced with polyacrylic acid complex primer.

1497/Cal/82. Kraftwerk Union Aktiengesellschaft. Blade for a rotating machine.

1498/Cal/82. Josef Krings. An apparatus for centrally installing a shoring column into a predrilled ground hole.

1499/Cal/82. Pierre Harmand. Engineer's work-holding device.

1500/Cal/82. Takasago Perfumery Co., Ltd. Process for the preparation of enamines or imines.

1501/Cal/82. Stauffer Chemical Company. Herbicide antidotes.

1502/Cal/82. Venkataraman Thiru Moorthy. Combined mechanised apparatus for crust breaking and alumina feeding operation in an electrolytic reduction cell used for aluminium manufacturing.

**APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, III FLOOR, KAROL BAGH, NEW DELHI-5**

23rd November, 1982

855/Del/82. Indira Devi Verma. "Carton, container and like packing material with 5 sides and 2 ends (7 faces)".

856/Del/82. Alsthom-Atlantique. "Energy-efficient automatic sluice gate for sustaining a fluid level".

857/Del/82. Alfred Boettcher. "Selfregulating solar device".

858/Del/82. Stanley Joseph Grossman. "Composite, prestressed, structural member and method of making same".

859/Del/82. Rob Van Den Haak. "A method of tensioning an anchor line, in particular for testing an anchor, and a device for carrying out the method, particularly comprising a cable or chain tensioner".

860/Del/82. Uniroyal, Inc. "Substituted pyrimidinyl organophosphorus insecticides".

861/Del/82. Krishna Mohan Dayal. "Tyre guard".

24th November, 1982

862/Del/82. Adam Muller. "Clear tobacco aroma oil, a process of obtaining it from a tobacco extract, and its use".

863/Del/82. Warner-Lambert Company. "Razor with sliding blade cover".

864/Del/82. BS & B Safety Systems Limited. "Rupturable Pressure relief apparatus".

865/Del/82. Bendix Limited. "Fluid pressure operable actuators". (2nd December, 1981.)

866/Del/82. Bendix Limited. "Fluid pressure operable actuators" (2nd December, 1981 and 6th March, 1982).

867/Del/82. Piaggio & C. S.p.A. "Bearing body for motor-cycle".

868/Del/82. Piaggio & C. S.p.A. "Improved body for motor-scooter".

869/Del/82. The Halcon SD Group, Inc. "Preparation of alkylene carbonates".

870/Del/82. BICC Public Limited Company. "An improved flexible stranded body" (27th November, 1981).

871/Del/82. LA Telemecanique Electrique. "A contactor having self-protection means against the effect of the forces of repulsion between the contacts, and association thereof with a circuit breaking means limiting short-circuit currents".

25th November, 1982

872/Del/82. Bharat Heavy Electricals Limited. "An apparatus and a method for producing foils for use in electron microscopes".

873/Del/82. Ghanshyam Das Aggarwal. "Hydrocephalus valve".

874/Del/82. Ravi Raj Gupta. "A process for the manufacture of glass tiles".

875/Del/82. Ravi Raj Gupta. "A process for the manufacture of glass tiles".

- 876/Del/82. Ravi Raj Gupta, "A process for the manufacture of glass tiles".
- 877/Del/82. Ravi Raj Gupta, "A process for the manufacture of glass tiles".
- 878/Del/82. Ravi Raj Gupta, "A process for the manufacture of glass tiles".
- 879/Del/82. USS Engineers and Consultants, Inc., "Improvements in sliding gate valves" (26th November, 1981).
- 880/Del/82. Clark & Vicario Corporation, "Multiple hydrocyclone apparatus".  
26th November, 1982
- 881/Del/82. S. U. Daga, K. S. Daga, K. M. Daga and D. M. Rath, "An improved clamppless wheel cover for use in automobiles".  
27th November, 1982
- 882/Del/82. Balwant Kumar, Krishin Lal & Kamar Singh, "Air compressor engine".  
29th November, 1982
- 883/Del/82. Thiokol Corporation, "Thioether-modified sealant compositions".  
30th November, 1982
- 884/Del/82. Klockner-Humboldt-Deutz Aktiengesellschaft Deutz-Mulheimer-Str., "Wet-jigging machine for processing coal or other minerals".
- 885/Del/82. Klockner-Humboldt-Deutz Aktiengesellschaft, "Jigging Machine".
- 886/Del/82. Dunlop Limited, "Method of bonding polymer-impregnated textile". (15th December, 1982).  
1st December, 1982
- 887/Del/82. Zenith, "A collapsible container".  
2nd December, 1982
- 888/Del/82. Olle Bostrom, "A suction sintering apparatus" (4th December, 1982).  
6th December, 1982
- 889/Del/82. Bandhu Machinery Private Limited, "Improvements in plate cylinders for offset printing presses".
- APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002.  
13th December, 1982.
- 242/Mas/82. B. N. Sridhara. A Valve for a Flushing Cistern.
- 243/Mas/82. J. Stanly. New Improved Laundry Soap.
- 244/Mas/82. I. Stanly. New Improved Syndet—Soap Bar.
- 245/Mas/82. K. V. John. John's Palm Climber.  
16th December, 1982.
- 246/Mas/82. K. S. G. Doss. Improvements in or relating to the process of drying of bagasse.
- 247/Mas/82. J. R. Shivalingayya. Special & type of Ex centric ginning lever (in place of existing vibrating type of lever).  
18th December, 1982.
- 248/Mas/82. K. M. Mossa. Steel Ball way power transmission systems.
- 249/Mas/82. K. M. Moosa. Chocolate-peanut Cubes and Rolls.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 46 of the Patents Rules, 1972.

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Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS 158B, 150945.

Int. Cl. B 61 g 9/00, 9/22.

#### HOUSING FOR DRAFT GEAR.

Applicants: AMERICAN STANDARD INC., OF 40 WEST 40th STREET, NEW YORK, NEW YORK 10018, UNITED STATES OF AMERICA.

Inventor: RICHARD JACOB HOUSMAN.

Application No. 1113/Cal/78 filed October 13, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

#### 4 Claims.

A draft gear housing of a generally rectangular cross section defined by a top wall, a bottom wall, a pair of opposing side walls, a rear wall and an open end opposite said rear wall; said top wall and said bottom wall having internally disposed thereon longitudinally extending strengthening ribs partially defining a main spring chamber and other corner spring chambers, each of said ribs having a rear portion comprising a pair of opposing arcuate sides culminating at a peak, one of said arcuate sides of each rib partially defining one of said corner spring chambers, and the other of said arcuate sides of each rib partially defining said main spring chamber, said other of said arcuate side of each of said ribs gradually increasing in radius of curvature from said rear wall toward said open end so as to produce a decrease in both width and height of each said ribs.

Compl. Specn. 20 Pages., Drg. 12 Sheets.)

CLASS 107F 150946.

Int. Cl. F 02 p 5/10; F 02 d 1/16.

#### AN IMPROVED INTERNAL COMBUSTION ENGINE.

Applicants: CUMMINS ENGINE COMPANY, INC., OF 1000 FIFTH STREET, CITY OF COLUMBUS, STATE OF INDIANA, UNITED STATES OF AMERICA.

Inventors: (1) JULIUS P. PERR AND (2) ANDREW C. ROSSELLI.

Application No. 1380/Cal/78 filed December 27, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

#### 10 Claims.

In an internal combustion engine including at least one injector, the injector comprising a plunger that is movable in an injection stroke and a relatively solid injector part that is engaged by the plunger during the injection stroke, a rocker arm connected to actuate the plunger of the injector, and a relative long rod having one end connected to the rocker arm and extending toward a cam, the improvement of apparatus for adjusting the timing of initiation of injection during said injection stroke, comprising a cam follower having a point of contact with said cam and a center of pivotal connection with the other end of said rod, said rod being tiltable on said one end thereof, and movable eccentric means for pivotable mounting said cam follower and angularly moving said follower

relative to said cam and moving said center of pivotal connection with said rod on an arc that has as its center said one end of said rod, said follower having a center of movement on said eccentric means, said point and said centers forming spaced points of a triangle, said movement of said eccentric means causing said point of contact and said center of movement to shift in substantially opposite directions toward and away from said one end of said rod and thereby moving said center of pivotal connection on said arc, whereby the effective length of said rod is unchanged during an adjustment of the timing by moving said eccentric means.

(Compl. Specn. 30 Pages. Drg. 6 Sheets.)

CLASS 58C

150947.

Int. Cl. B 60 1 1/16.

WINDOW WINDER FOR SLIDABLE WINDOWS, ESPECIALLY OF VEHICLES.

Applicants : ROCKWELL GOLDE GMBH, OF HANAUER LANDSTRASSE 338, 6000 FRANKFURT (Main) 1 FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) HEINZ BLANKENBURG, (2) PETER SCHAFFER, AND (3) FRIEDRICH HERRMANN.

Application No. 57/Cal/79 filed January 19, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

17 Claims.

A window winder for a slidable window, especially for vehicles and which is capable of being lowered into the window shaft of vehicle comprising a threaded cable displaceably guided in a guide tube, a gear wheel drive having a two-part casting which houses a drive pinion, wherein the guide tube comprises a plastics tube connected to the two-part drive casing by means of sleeves injection moulded onto the plastics tube, wherein the two parts of the drive casing are injection moulded from plastics material and have a parting plane situated on one side of the threaded cable passing through the casing and on one side of the drive pinion, wherein a guide duct guiding the threaded cable and being substantially in alignment with the internal surface of the guide tube and being open towards the drive pinion and towards the parting plane, is disposed in one casing part, and wherein each of the sleeves situated on the casing is formed on and formed in one piece with one casing part.

(Compl. Specn. 18 Pages. Drg. 4 Sheets.)

CLASS 32A, & 62C1

150948.

Int. Cl. C 09 b 31/30.

A PROCESS FOR THE MANUFACTURE OF A NEW WATER-SOLUBLE DYESTUFFS.

Applicants : HOECHST AKTIENGESSELLSCHAFT, OF D-6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

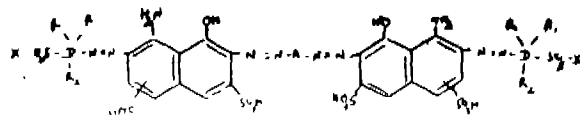
Inventors : (1) WALTER NOLL, (2) FRITZ MEININGER, AND (3) ERNST HOYER.

Application No. 138/Cal/79 filed February 14, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

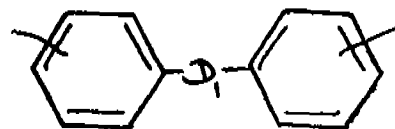
10 Claims.

A process for the manufacture of a water-soluble dyestuff which, in the form of the free acid, corresponds to the general formula (1)

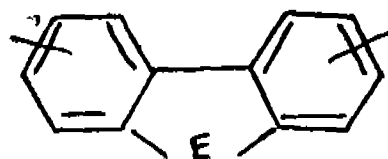


or a mixture thereof, wherein D is a benzene or naphthalene nucleus, R is an alkyl group of 1 to 4 C-atoms or preferably a hydrogen atom, R<sub>1</sub> is in the ortho-position relative to the azo group and is a hydrogen atom, a halogen atom, an alkyl group of 1 to 4 C-atoms, an alkoxy group of 1 to 4 C-atoms, a carboxylic acid group or a sulfonic acid group and R<sub>2</sub> is a hydrogen atom, a halogen atom, an alkyl group of 1 to 4

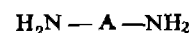
C-atoms, an alkoxy group of 1 to 4 C-atoms or a sulfonic acid group, and R, R<sub>1</sub> and R<sub>2</sub> are identical or different from one another, X is the β-thiosulfatoethyl, β-chloroethyl, β-sulfatoethyl or vinyl group, A is a divalent bridge member with aromatic carbocyclic and/or aromatic heterocyclic radicals, the bonds from A to the azo groups leading directly from these rings, and A is preferably one of the radicals of the formulae (3)



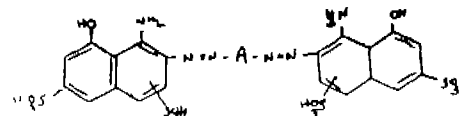
and formulae (6)



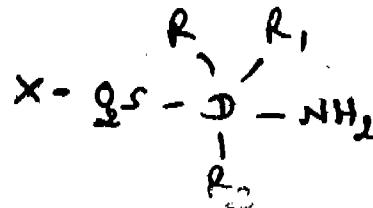
in which the benzene nuclei can contain substituents and (D) is a direct covalent bond or a bridge member and E is a member of the formulae -O-, -S-, -NH- or -SO<sub>2</sub>-, which comprises coupling 1 mol of a tetrazotized diamine of the general formula (2)



in which A is defined as above and the bonds from A lead direct from the carbocyclic and heterocyclic rings, with 2 mols of one coupling component selected from 1-amino-8-naphthol-3, 6-disulfonic acid or 1-amino-8-naphthol-4, 6-disulfonic acid, or with each 1 mol of both coupling compounds, in the acid pH-range, and coupling the disazo compound(s) thus formed of the general formula (3)



in which A is defined as above, with 2 mols of one diazotized aromatic amine of the general formula (4)



in which D, R, R<sub>1</sub>, R<sub>2</sub>, and X are defined as above and R<sub>1</sub> is in the ortho-position relative to the amino group, or each 1 mol of two diazotized aromatic amines of that formula (4), in the weakly acid to weakly alkaline pH range.

(Compl. Specn. 36 Pages. Drg. 42 Sheets.)

CLASS 32A

150949.

Int. Cl. C 09 H 47/00.

PROCESS FOR THE PREPARATION OF WATER-SOLUBLE PHTHALOCYANINE DYESTUFFS.

Applicants : HOECHST AKTIENGESSELLSCHAFT, OF D-6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventor : HARTMUT SPRINGER.

Application No. 547/Cal/79 filed May 28, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

10 Claims.

Improvement of a process for the preparation of water-soluble phthalocyanine dyestuffs which comprises reacting phthalocyanine sulfonic acid chlorides containing or not containing

sulfo groups, with a primary or secondary amine containing one or several  $\beta$ -substituted ethylsulfonyl groups or one or several vinylsulfonyl groups, and, optionally, with a second primary or secondary amine of the aliphatic, heterocyclic or aromatic series, with or without partial hydrolysis of sulfochloride groups to form sulfo groups, these reactions of the phthalocyanine sulfochlorides mentioned with the amino compounds mentioned and water occurring simultaneously or in any order, the improvement consisting of carrying out said process in the presence of an acid pyridine compound selected from pyridine sulfonic acids and pyridine carboxylic acids.

(Compl. Specn. 41 Pages, Drg. 4 Sheets.)

CLASS 86B

150950.

Int. Cl. A 47 d 13/04.

BABY ROCKER CUM WALKER.

Applicant & Inventor : SUDARSHAN PURI, OF 150, LOWER CHITPUR ROAD, CALCUTTA-700 073, WEST BENGAL, INDIA.

Application No. 72/Cal/80 filed January 18, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

4 Claims.

A baby rocker cum walker comprising a plastic body having a hollow opening and fitted therein a flexible seat, the body is supported by means of four legs and each pair of said legs are hinged fitted with each of one pair of rocking base members, two axles one each hinged fitted by means of levers at each end of the pair of said rocking members and the axles being provided with castor wheels at their ends.

(Compl. Specn. 5 Pages, Drg. 1 Sheet.)

CLASS 32B

150951.

Int. Cl. C 07 C 15/00.

PROCESS FOR THE PREPARATION OF HYDROCARBONS.

Applicants : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., OF CAREL VAN BYLANDTSLAAN 30, THE HAGUE, THE NETHERLANDS.

Inventors : LAMBERT SCHAPER AND SWAN TIONG SIE.

Application No. 341/Cal/80 filed March 24, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

8 Claims. No. drawings

A process for the preparation of an aromatic hydrocarbon mixture, characterized in that a mixture of carbon monoxide and hydrogen with an  $H_2/CO$  molar ratio between 0.25 and 0.75 is contacted with a catalyst mixture is built up of a catalyst A and a catalyst B, catalyst A being capable of converting an  $H_2/CO$  mixture into substantially methanol and/or dimethyl ether, and catalyst B being a crystalline silicate, which silicate has the following properties after 1 hour's calcining in air at 500°C :

(a) an X-ray powder diffraction pattern showing, inter alia, the reflections given in Table A.

TABLE A

Radiation : Cu—K 2—0	Wavelength 0.15418 nm relative intensity
7.8—8.2	S
8.7—9.1	M
11.8—12.1	W
12.4—12.7	W
14.6—14.9	W
15.4—15.7	W
15.8—16.1	W
17.6—17.9	W
19.2—19.5	W
20.2—20.6	W
20.7—21.1	W
23.1—23.4	VS
23.8—24.1	VS
24.2—24.8	S
29.7—30.1	M

wherein the letters used have the following meanings:

VS= very strong; S= strong; M= moderate;

W= weak; Q= angle according to Bragg.

(b) after conversion of the silicate into the H-form and after evacuation at  $2 \times 10^{-9}$  bar and 400 °C for 16 hours and measured at a hydrocarbon pressure of  $8 \times 10^{-2}$  bar and 100°C, the adsorption of n-hexane is at least 0.8 mmol/g, the adsorption of 2, 2-dimethylbutane at least 0.5 mmol/g and the ratio adsorption of n-hexane

adsorption of 2, 2-dimethylbutane at least 1.5

(c) the composition, expressed in moles of the oxides, is as follows :

$y(1.0 \pm 0.3) M_2/nO$ ,  $y(a Fe_2 O_3, b Al_2 O_3)$ ,  $SiO_2$ , wherein  $M=H$  and alkali metal or alkaline-earth metal;

$n=$  the valency of  $M$ ;  $0 < Y \leq 0.1$ ;  $a \geq 0$ ;  $b \geq 0$ , and  $a+b=1$ ; and in that to the  $H_2/CO$  mixture an amount of water is added which-in %m, based on the  $H_2/CO$  mixture—is at least 2.5 and at most  $3(V-R)$

$(1+R)$   $(1+V)$ , at least 1-50

150951.

wherein :  $R=$  the  $H_2/CO$  molar ratio of the feed, and  $V=$  the consumption ratio of the  $H_2/CO$  mixture obtained under the conditions at which the above-mentioned process is carried out, but without water addition.

(Compl. Specn. 16 Pages, Drg. Nil.)

CLASS 141 A&D.

150952.

Int. Cl. B 22 d 23/08; C 21 b 1/08.

PROCESS OF HEAT-TREATING PELLETS.

Applicants : METALLGESELLSCHAFT A. G. OF 16 FRANKFURT A. M. REUTERWEG, WEST GERMANY.

Inventor : ALOIS KILIAN.

Application No. 695/Cal/80 filed June 12, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

5 Claims.

A process of heat-treating pellets such as herein described on a pelletizing machine in which hot gases are passed through a pellet bed, solid carbonaceous fuel is burnt to generate at least part of the hot gases, cooling gases are passed through the pellets to cool them, and at least part of the heated cooling gases is fed to the heat-treating zone, characterized in that at least 10% of the fuel which is supplied to the process from the outside are fed as solid fuel onto the surface of the pellet bed.

(Compl. Specn. 17 Pages, Drg. 1 Sheet.)

CLASS 145D

150953.

Int. Cl. D 21 f 1/00; 2/00.

AN IMPROVED EXTENDED NIP PRESS FOR REMOVING WATER FROM A TRAVELLING WEB IN A PAPER MACHINE.

Applicants : BELOIT CORPORATION, OF WISCONSIN 53511, U.S.A.

Inventors : EDGAR J. JUSTUS AND ARNOLD JAMES ROERIG.

Application No. 920/Cal/80 filed August 11, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

10 Claims.

An extended nip press for removing water from a travelling web in a paper machine comprising in combination : a press roll; an elongate shoe forming a press nip with said press roll and having a concave surface to conform to said roll so that the press nip is formed elongate in the direction of web travel through the nip; a first endless felt trained over said roll to travel through said nip; an endless belt trained over said shoe for passing through said nip; a second endless felt trained over said belt to travel through said nip with the web passing through the nip between said felts; means for providing a lubricant between said shoe and belt; and guide means within said belt guiding and supporting the belt on the shoe.

(Compl. Specn. 9 Pages, Drg. 1 Sheet.)

CLASS 24D<sub>2</sub> & 4

150954.

Int. Cl. B 61 H 13/00.

**EMERGENCY PORTION FOR FLUID ACTUATED BRAKE CONTROL VALVE IN RAILWAY FREIGHT CARS.**

Applicants : AMERICAN STANDARD INC., OF 40 WEST 40th STREET, NEW YORK, NEW YORK 10018, UNITED STATES OF AMERICA.

Inventor : JAMES E. HART.

Application No. 520/Cal/78 filed May 15, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**11 Claims.**

For use in a fluid actuated brake apparatus particularly in railway freight cars including a brake pipe, an auxiliary reservoir and an emergency reservoir each normally charged to a certain chosen pressure, a brake cylinder and a fluid-pressure operated service valve device, a fluid-pressure-operated-emergency valve device operative in conjunction with said fluid-pressure-operated, service valve device in response to a reduction of the pressure in the brake pipe at an emergency rate to effect the supply of fluid under pressure from said reservoirs to said brake cylinder to cause an emergency brake application, said emergency valve device comprising : (a) a casing having therein a plurality of chambers, bores and passageways, one of said bores having coaxial therewith a pair of counterbores of unequal diameter whereby a shoulder is formed therebetween, said one bore and a first one of said plurality of passageways cooperating to provide a communication through which fluid under pressure may be released from another chamber other than said plurality of chambers to atmosphere via said pair of coaxial counterbores, said one bore having at one end an annular valve seat, and one end of said passageways opening into said chambers and bores and the other end being connected respectively to the brake pipe, the emergency reservoir and said another chamber, (b) a plurality of poppet-type valves, each having a fluted stem, for controlling flow between said chambers and passageways, one of said poppet-type valves being a double seated valve having a pair of spaced-apart annular members carried thereon, one of which . . . . . cooperates with said annular valve seat at said one end of said one bore to control flow between said another chamber and said coaxial counterbores at the wall surface of which larger counterbore opens, one above the other, one end of two other of said passageways, the other end of the lower one of said two other passageways being open to atmosphere, (c) an annular piston having on one side thereof an annular valve seat and carrying thereon a pair of spaced-apart seals for sealing engagement with the wall surface of said larger counterbore in which said annular piston is slidably mounted, (d) a pair of springs of unequal strength, the lighter of which is interposed between said one side of said piston and said one double seated poppet-type valve for normally biasing said one annular member carried on said one valve into seating engagement with said annular valve seat at said one end of said one bore, and the heavier of which is interposed between the other side of said piston and said casing to normally bias said piston against said shoulder, (e) a pair of chokes of unequal diameter, the larger of which is so disposed as to control the rate of flow of fluid under pressure between the interior of said larger counterbore and said lower of said two other passageways and the flow of fluid under pressure from the upper to the lower of said passageways in by pass of said larger choke, (f) movable abutment means subject respectively to pressure in the brake pipe and in said another chamber, the deflection of said abutment means a first chosen degree in one direction responsive to a reduction of the pressure in the brake pipe at a service rate being effective to cause said abutment means to effect unseating of said one annular member carried by said double seated valve from said annular valve seat at said one end of said one bore against the yielding resistance of said lighter spring, without effecting seating of the other of said pair of annular members carried by said double seated valve on said annular valve seat on said one side of said annular piston, to cause the release of fluid under pressure from said another chamber to atmosphere via said one bore, said smaller counterbore, said annular piston, said larger counterbore, said larger choke and said lower one of said two other passageways at a rate determined by the diameter of said larger choke,

and the deflection of said abutment means a second chosen degree, which is greater than said first chosen degree, in said one direction responsive to a reduction of the pressure in the brake pipe at an emergency rate being effective to cause said abutment means to effect seating of said other of said pair of annular members carried by said double seated valve on said annular valve seat on said one side piston against the yielding resistance of said stronger spring, to a position in abutting relationship with said casing, in which position said pair of seals carried by said piston form seals with the wall surface of said larger counterbore below said one end of the upper one of said two other passageways, to cause the release of fluid under pressure from said other chamber to atmosphere via said one bore, smaller and larger counterbores, the upper one of said two other passageways, said smaller choke, and said lower one of said two other passageway at a rate determined by the diameter of said smaller choke, and (g) resilient means effective to yieldingly resist deflection of said abutment means in a direction opposite said one direction in response to the pressure in the brake pipe exceeding that in said another chamber, said resilient means being effective to subsequently deflect said abutment means in said one direction responsive to the pressure in said another chamber increasing to that in said brake pipe.

(Compl. Specn. 42 Pages. Drg. 1 Sheet.)

CLASS 129G &amp; 175H

150955

Int. Cl. F 16 i 9/02.

**A MACHINE AND A METHOD FOR FINISHING THE SURFACE OF A PLURALITY OF CYLINDRICAL STACKED PISTON RINGS.**

Applicants : DANA CORPORATION, OF 4500 DORR STREET TOLEDO, OHIO, UNITED STATES OF AMERICA.

Inventor : ROBERT H. GILLETTE.

Application No. 1166/Cal/78 filed October 27, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**20 Claims.**

A machine for finishing the surface of a plurality of cylindrical stacked piston rings comprising : a plurality of substantially parallel axially extending cylindrical rollers, each rotatable about its axis, and positioned to engage the outer surface of said stacked piston rings; means for driving at least one of the rollers to rotate about its respective axis; a first surface treating honing tool; first means movably supporting the first tool for movement in a first direction radially of said rings between an adjacent pair of rollers to engage the tool and said stacked piston rings and said first means also supporting said first tool to reciprocate it parallel to said rollers on the surfaces of said piston rings; a second surface treating honing tool; and second means movably supporting the second tool for movement in a second direction radially of said rings between a second adjacent pair of rollers to engage the second tool and said stacked piston rings and said second means also supporting said second tool to reciprocate it parallel to said rollers on the surface of said stacked piston rings, whereby driving at least one roller induces movement of said stacked piston rings relative to the first and second engaging tools to hone the surface of said stacked piston rings and said first and second means, respectively supporting said first and second tools for reciprocating motion relative to stacked piston rings such that the reciprocating motions are independent of each other.

(Compl. Specn. 20 Pages. Drg. 7 Sheets.)

CLASS 107H

150956.

Int. Cl. F 02 m 55/00.

**FUEL INJECTOR FOR AIR-COMPRESSING DIRECT-INJECTION INTERNAL COMBUSTION ENGINES.**

Applicants : MASCHINEFABRIK AUGSBURG-(NURNBERG A.G., OF KATZWANGER STRASSE 101, D 8500 NURNBERG, WEST GERMANY.

Inventor : HUBERT KEICZEK.

Application No. 1171/Cal/78 filed October 28, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A fuel injector for air-compressing direct-injection internal combustion engines comprising essentially a nozzle body, a hollow needle which is axially slidable therein and a second nozzle needle slidable in said hollow needle with control of the 2 nozzle needles being rated in a manner that in the lower speed and/or load ranges of the internal combustion engine only one nozzle needle will open initially to release one or a proportion of the spray holes while full fuel injection, which may be in different directions, takes place only at full load by opening the second nozzle needle characterized in that one of the spray holes (10) coincides with the longitudinal axis (x) of the injector with at least one pintle (11) of the second nozzle needle (5) extending into said spray hole with a clearance in the closed and partly open phases and in that the hollow needle (2) at its end facing the spray hole (10, 12) or the spray holes has a slanting neck (3) whose external surface is formed as a valve seat (4) for the hollow needle (2) and whose internal surface is formed as a valve seat (6) for the second nozzle needle (5).

(Compl. Specn. 8 Pages. Drg. 1 Sheet.)

CLASS 11C.

150957.

Int. Cl. B 01 j 2/00; A 23 K 1/00.

PLANT FOR REGULATING THE TEMPERATURE OF RAW MATERIAL SUPPLIED INTO A PELLET MILL.

Applicants : NORVINDAN ENGINEERING APS., OF 14 KAERBYGRADE, VESTER KAERBY, DK-5320 AGEDRUP, DENMARK.

Inventor : EBBE BJARNE BUSCH LARSEN.

Application No. 1284/Cal/78 filed November 29, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim.

Plant for regulating the temperature of raw material f. ex. grinded fodder supplied into a pellet mill, comprising a conveyor for transportation of the raw material into a conditioning plant with steam supply, before entering into the pellet mill, characterized in that the driving motor of the conveyor is connected via a continuously variable gear and that the conditioning plant is provided with a number of steam supplied which at least for the piping next to the pellet mill can be shut off by means of a distant-controlled valve.

(Compl. Specn. 8 Pages. Drg. 2 Sheets.)

CLASS 107K.

150958.

Int. Cl. F 16 K 21/00.

A STEAM TURBINE PLANT, A MAJOR PORTION OF WHICH IS LOCATED ABOVE THE MACHINE FLOOR AND A VALVE ASSEMBLY FOR SAME.

Applicants : KRAFTWERK UNION AKTIENGESELLSCHAFT, OF 423 MULHEIM (RUHR), WIESENSTR. 35, FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) DR. WERNER TRABL, (2) GERHARD PURR, AND (3) HELMUT SCHEFFCZYK.

Application No. 141/Cal/79 filed February 15, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

24 Claims.

A steam turbine plant a major portion of which is located above the machine floor and has a valve assembly which is arranged below the machine floor, said valve assembly comprising a regulating valve in the inlet steam pipe of said steam turbine, wherein the valve is resiliently suspended on a plurality of elongate composite members each of which includes a resilient member and is pivotally connected to the valve body and to a carrier secured to the machine floor or a foundation cover thereby permitting movement of the valve due to thermal expansion and contraction.

(Compl. Specn. 23 Pages. Drg. 5 Sheets.)

CLASS 140A<sub>2</sub>.

150959.

Int. Cl. C 10 m 1/38.

LUBRICANT COMPOSITIONS FOR USE IN ENGINES TO DECREASE THE FUEL CONSUMPTION.

Applicants : THE LUBRIZOL CORPORATION, OF 29400 LAKELAND BOULEVARD, WICKLIFFE, OHIO 44092, U.S.A.

Inventor : WILLIAM BRICKER CHAMBERLIN III.

Application No. 435/Cal/79 filed April 30, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

38 Claims.

A lubricating composition comprising : (A) a major amount of lubricating oil; and minor effective amounts of (B) 0.5-3.5 percent by weight of a composition prepared by sulfurizing, at a temperature of 100° to 250°C., a mixture comprising (B-1) 100 parts by weight of at least one ester of a substantially aliphatic carboxylic acid containing from 8 to 30 carbon atoms and a substantially aliphatic alcohol, (B-2) from 2 to 50 parts of at least one substantially aliphatic carboxylic acid containing from 8 to 30 carbon atoms, and (B-3) from 25 to 400 parts by weight of at least one substantially aliphatic monoolefin containing from 8 to 36 carbon atoms; and (C) 0.2-1.5 percent by weight at least one oil-dispersible basic alkali metal sulfonate which is prepared by intimately contacting for a period of time sufficient to form a stable dispersion, at a temperature between the solidification temperature of the reaction mixture and its decomposition temperature : (C-1) at least one acidic gaseous material selected from the group consisting of carbon dioxide, hydrogen sulfide, sulfur dioxide, and mixtures thereof, with (C-2) a reaction mixture comprising (C-2-a) at least one oil-soluble sulfonic acid, or derivative thereof susceptible to overbasing; (C-2-b) at least one alkali metal or basic alkali metal compounds; (C-2-c) at least one lower aliphatic alcohol; and (C-2-d) at least one oil-soluble carboxylic acid or functional derivative thereof.

(Compl. Specn. 80 Pages. Drg. 1 Sheet.)

CLASS 53C & 127G.

150960.

Int. Cl. F 16 h 7/22.

A DERAILLEUR MECHANISM ON A BICYCLE OR THE LIKE.

Applicants : FICHTEL & SACHS AG., OF ERNST-SACHS-STRASSE 62, D-8729 SCHWEINFURT, FEDERAL REPUBLIC OF GERMANY.

Inventor : EDUARD BERGLES.

Application No. 797/Cal/79 filed July 31, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A derailleur mechanism on a bicycle or the like, comprising a set of sprocket wheels which lie side by side along a common axis and have a varying number of sprockets and comprising a chain mover, wherein this chain mover is mounted on a movable carrier, and wherein this movable carrier is movably guided through a guide system on a carrier that is fixed to the frame along a movement path that is substantially parallel to said axis, and wherein there engage in the guide system a shifting device having transmission means which originate from a shifter capable of different shifter positions so as to set the movable carrier to different shifting positions along its movement path, one of two parts of the guide system which are movable relative to each other being provided with a cam disc having a control curve, said cam disc being rotatable by the transmission means between two extreme angular positions about a cam disc axis, a cam disc follower being attached to the other of said two parts of the guide system, and slaving means being provided for urging the cam disc follower into contact with said control curve of said cam disc, characterized in that said slaving means are slaving spring means such that said cam disc follower is liftable out of contact with said control curve when said shifter is moved in a predetermined shifting direction to a new shifter position while the movable carrier is blocked in

a specific shifting position due to the engagement of the chain mover carrier thereby in the stationary chain, said slaving spring means restoring contact of said cam disc follower with said control curve only when the blocking of the movable carrier is cancelled by movement of the chain such that as a result of said restoration of contact the movable carrier is brought into a new shifting position corresponding to said new shifter position.

(Compl. Specn. 29 Pages. Drg. 9 Sheets).

CLASS 39B.

150961.

Int. Cl. C 01 d 7/00.

#### CARBONATING COLUMN FOR PRODUCING SODIUM BICARBONATE SUSPENSION.

Applicants & Inventors : (1) VIKTOR MIKHAILOVICH TOMENKO, OF KHARKOV, ULITSA KOMBAINOVSKAYA 13/15KV. 3, USSR. (2) ERIK KONSTANTINOVICH BELYAEV, OF KHARKOV, SALTOVSKOE SHOSSE, 137, KV. 128, USSR. (3) JUVENLY VASILIEVICH MILINSKY, OF ULITSA KHOLMOGORSKAYA, 2 KORPUS 1, KV. 84, MOSCOW, USSR AND (4) PAVEL MIKHAILOVICH AVTIN, OF SLERLITAMAK BASHKIRSKOI ASSR, OF ULITSA SOTSIALISTICHESKAYA, 17, KV. 17, USSR.

Application No. 1012/Cal/79 filed September 26, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A carbonating column for producing sodium bicarbonate suspension, comprising : a hollow structure; inlet and outlet pipes for supplying reagents and discharging the resultant suspension and gas, located on the hollow structure; perforated plates positioned over each other within the hollow structure and dividing the inner space thereof into a separating compartment and reaction compartments arranged over each other under the separation compartment; cooling pipes disposed at least in one of the lower reaction compartment; overflow conduits installed in the perforated plates and communicating the reaction compartments with one another discharge pipes uniformly alternating with perforating for the passage of gas and located on the perforated plates disposed over those reaction compartments that contain cooling pipes; most of the discharge pipes being installed with a clearance immediately over the respective cooling pipes screening the outlet openings of said discharge pipes.

(Compl. Specn. 20 Pages. Drg. 2 Sheets).

CLASS 32F<sub>2</sub>.

150962.

Int. Cl. C 07 C 143/74.

#### PROCESS FOR THE PREPARATION OF N-METHYL-2-p-TOLUENE SULPHONYLAMIDO-5-CHLOROBENZOPHENONE.

Applicants : EAST INDIA PHARMACEUTICAL WORKS LTD. OF 6, LITTLE RUSSEL STREET, CALCUTTA-700 071, WEST BENGAL, INDIA.

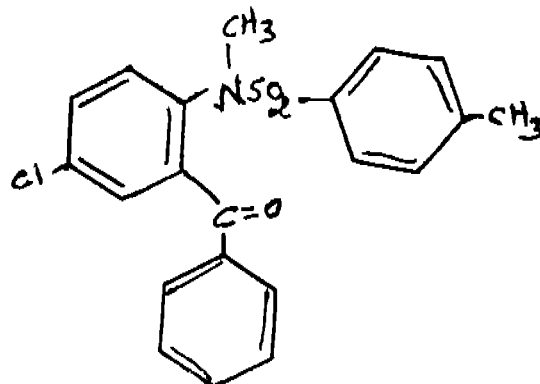
Inventor : DR. KALYANMAY SEN.

Application No. 504/Cal/81 filed May 13, 1981.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

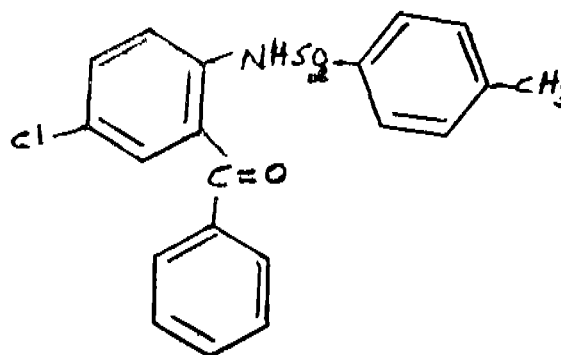
4 Claims.

A process for the preparation of N-methyl-2-p-toluenesulphonylamino-5-chlorobenzophenone as shown in the formula 2



Formula 2

by reacting 2-p-toluenesulphonylamido-5-Chlorobenzophenone of formula 1.



Formula—2

and a methylating agent selected from dimethylsulphate and methyl iodide characterised in that reaction as carried out with the solution of 2-p-toluenesulphonylamido-5-chlorobenzophenone in an aprotic solvent with dimethylsulphate or methyl iodide in the same solvent in the presence of a condensing agent such as an aqueous solution of an alkali hydroxide and a phase transfer catalyst such as cetyltrimethylammonium bromide at any temperature between 30°C to 70°C.

(Compl. Specn. 4 Pages. Drg. 2 Sheets).

CLASS 206E.

150963.

Int. Cl. H 02 P 13/00.

#### A DEVICE FOR CONTROLLING THE CUT-OFF ANGLE OF CONTROLLABLE VALVES OR CONTROLLABLE SEMICONDUCTOR ELEMENTS IN INVERTERS.

Applicants : LICENTIA PATENT-VERWALTUNGS-G. m.b.H., OF 6000 FRANKFURT AM MAIN, THEODOR-STERN-KAI 1, FEDERAL REPUBLIC OF GERMANY.

Inventor : JOHANN PODLEWSKI.

Application No. 684/Cal/78 filed June 21, 1978.

Convention date March 16, 1978 (10449/78) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A device for controlling the cut-off angle of controllable valves or controllable semiconductor elements in inverters comprising a plurality of integrators, each associated with a valve, element or group thereof to form signals proportional in amplitude to the cut-off angles, and means for driving control signals for the integrators from start and stop signals from the individual valves or elements, means for selecting the maximum values of the signals from the integrators, sample-and-hold circuits, one for each valve or element, fed with the maximum values and with the stop signal of the associated valve or element as control signals, means for selecting the minimum values of the respective contents of the sample and hold circuits, and means for controlling the cut-off angle in response to the selected minimum values.

(Compl. Specn. 10 Pages. Drg. 2 Sheets).

CLASS 186 & 206C.

150964.

Int. Cl. G 09 C.

#### COMMUNICATIONS LINE AUTHENTICATION DEVICE.

Applicants : BURROUGHS CORPORATION, OF BURROUGHS PLACE, PETROIT, MICHIGAN 48232, UNITED STATES OF AMERICA.



Inventors : (1) VERA LEWIS BARNE, (2) HAROLD FRANKLIN GIBSON, (3) CARL MERRIT CAMPBELL, JR. (4) THOMAS JOSEPH DODDS, JR.

Application No. 1219/Cal/78 filed November 9, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 11 Claims.

An apparatus for insertion in a data communications line for verifying message integrity, wherein an authentication field is appended to a plain text data message being transmitted on said communications line, comprising : means for receiving said plain text data message from said communications line; means for encrypting said plain text data message whereby an authentication field is produced; means for storing said authentication field; and means, connected to said receiving means and said authentication field storage means, for transmitting said plain text data message with said authentication field appended thereto back onto said communications line.

(Compl. Specn. 59 Pages. Drg. 15 Sheets).

CLASS 136M.

150965.

Int. Cl. B 24 h 17/00.

#### MACHINE FOR MOULDING AND CURING TREAD BANDS FOR PNEUMATIC TYRES.

Applicants : MARANGONI RTS S.P.A., OF LOCALITA COLLE BAIOTTO, 03013 FERENTINO (FROSINONE), ITALY.

Inventor : CARLO MARANGONI.

Application No. 100/Cal/79 filed January 31, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 9 Claims.

A machine adapted to perform, in a single operation cycle, the moulding and curing of tread bands for pneumatics tyres, comprising : —a stationary annular structure (2) formed by two parallel rings bounding a central circular recess; —a drum (7) mounted in freely rotatable manner on axle (10) which is axially disposed in the central recess of the annular structure (2), said drum having a diameter and axial thickness corresponding to the dimensions of the tread band and being axially movable along said axle (10); —electrical heating circuits known per se for heating or cooling the drums (7); —a plurality of hydraulic or pneumatic double acting rams (3), carried by the annular structure and each oriented radially of the structure (2); —piston rods (4) movable radially in and out supported by each double acting ram (3); —a mould carrying platen (5) articulated to each piston rod (4); —a mould portion (6) fastened to each mould carrying platen (5), said mould portion (6) being part of a complete annular mould and having, at its moulding face, a relief shaped according to the grooving to be obtained on the tread ring, the same mould portions (6) being radially movable in unison towards and away from the central drum (2).

(Compl. Specn. 11 Pages. Drg. 3 Sheets).

CLASS 126 A&D.

150966.

Int. Cl. G 01 r 31/08.

#### AN APPARATUS FOR LOCATING HIGH RESISTANCE FAULTS IN ANY CORE OF A MULTICORE UNDERGROUND ELECTRIC POWER CABLES.

Applicant : SHRINIVASAN JAYARAMAN, OF 17 CAMAC STREET, CALCUTTA-700 017, WEST BENGAL, INDIA.

Inventors : (1) VALAMBUR RAGHAVACHAR NARASIMHAN, (2) NAGASAMUDRA SHAMA RAO MOHAN RAO AND (3) MADRAS MOHAMMED KHASIM.

Application No. 164/Cal/79 filed February 22, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 2 Claims.

An apparatus for locating of high resistance faults in any core of a multicore underground electric power cable having a sheath, comprising an ammeter, one end of the ammeter connected to one end of a core adjacent to the core whose fault is to be located, the opposite end of the said adjacent core being connected to the sheath of the cable by means of a jumper cable, the opposite end of the said ammeter connected to one terminal of a battery through a switch, the other terminal of the said battery connected to a voltmeter of high input resistance, which said terminal of the battery also connected to the said sheath, the opposite end of the said voltmeter being connected to the core whose fault is to be detected, recording the potential drop along the sheath from point of fault in the core to the end of the said core where the said voltmeter is connected, said potential drop being indicated by the equation

$$V_F = \int_P^S I.L.P$$

where  $\int_P^S$  denotes the resistance per unit length of the sheath, I denotes the direct current passed through the said core and returned through the sheath and LP is the distance from the end where the said voltmeter is connected to the point of fault and determining the potential drop in the same manner at the opposite end of the faulty core and determining the distance of the point of fault by the equation :

$$\frac{V_P}{V_P + V_Q} = \frac{LP}{LP + LQ} + \frac{L_P}{D}$$

and since  $LP + LQ = D$  by the equation as follows

$$\frac{V_P}{V_P + V_Q} = \frac{L_P}{D}$$

where  $V_P$  and  $V_Q$  are the potential drops indicated by the voltmeter at each of the two determining ends, D is the total length of the cable between the two determining ends and LP is the distance from the determining end to the point of fault.

(Compl. Specn. 13 Pages. Drg. 2 Sheets)

CLASS 55F & 139B.

150967

Int. Cl. C 01 b 25/04.

#### PROCESS FOR THE PREPARATION OF RED PHOSPHORUS STABILIZED AGAINST OXIDATION.

Applicants : HOECHST AKTIENGESellschaft, OF D-6230 FRANKFURT MAIN 80 FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) FRANZ-JOSEF DANY, (2) URSUS THUMMLER, (3) JOACHIM WORTMANN, (4) JOACHIM STAENDEKE, (5) JOACHIM KANDLER.

Application No. 262/Cal/79 filed March 17, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 4 Claims. No drawing.

A process for making stabilized, pulverulent red phosphorus consisting of a homogeneous blend of red phosphorus particles with a size of at most about 2 mm. aluminum hydroxide and a further metal hydroxide as oxidation stabilizers, wherein said metal hydroxide is lead hydroxide, the stabilizing efficiency of aluminum hydroxide being considerably improved through the use of lead hydroxide as a co-stabilizer, characterized by admixing as a continually stirred aqueous suspension of the red phosphorus with an aqueous solution of an Al- and Pb-salt, next adding dropwise an aqueous solution of an alkaline hydroxide for as long as necessary to establish a pH value of 9 in the suspension under precipitation of the Al- and Pb-hydroxides and filtering the suspension, the aluminum hydroxide and the lead hydroxide precipitated on the surface of the phosphorus particles being in a quantitative ratio of about 0.5 to 2.0 calculated as  $Al_2O_3$  to  $PbO$  and the total amount of the aluminum- and lead-hydroxide being 0.1 to 6 weight % based on the quantity of the red phosphorus.

(Compl. Specn. 13 Pages. Drg. Nil.)

CLASS 32F(a).

150968.

Int. Cl. C 07 C 67/00; 69/14.

**PROCESS FOR THE PRODUCTION OF 2-ETHYL HEXYL ACETATE.**

*Applicants* : UNION CARBIDE INDIA LIMITED, OF 1, MIDDLETON STREET, CALCUTTA-700 071, WEST BENGAL, INDIA.

*Inventors* : (1) KAILASH CHANDRA SAH, AND (2) RATHINDRA BASU ROY CHOUDHURY.

Application No. 56/Cal/80 filed January 16, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

10 Claims. No drawing.

A process for the production of 2-ethyl hexyl acetate by reacting 2-ethyl hexanol with acetic acid in the presence of a catalyst characterised in that the catalyst is butyl titanate.

(Compl. Specn. 17 Pages. Drg. Nil).

**OPPOSITION PROCEEDINGS**

Opposition filed by Pressure Cookers And Appliances Ltd. to the grant of a patent on application for Patent No. 144813 made by Bhupati Nath Mukherjee has been dismissed.

**PATENTS SEALED**

149607 149851 149875 149883 149885 149889 149890 149891  
149894 149897 149898 149905 149907 149930 149932 149933  
149934 149935 149950 149954 149970 149972 149981 149982  
149987

**AMENDMENT PROCEEDINGS UNDER SECTION 57**

(1)

Notice is hereby given that Sarabhai Research Centre, a Division of Ambalal Sarabhai Enterprises Private Limited, of Baroda, a Company incorporated under the Indian Companies Act, 1956, Wadi Wadi, Baroda, Gujarat State, India, an Indian organization, have made an application under Section-57 of the Patents Act 1970, for amendment of the Complete Specification of application for Patent No. 148805 (267 BOM/78) entitled "A process for the preparation of Acyl Benz (c) Hydrindanes". The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, Todi Estates, Lower Parel, (West) Bombay-400 013, on any working day during usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form-30, within three months from the date of this notification, at the Patent Office Branch Bombay. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(2)

Notice is hereby given that the INTERLIGHT—REXCO S.A., a Swiss Company of 6, Route de Beaumont, Fribourg Switzerland, formerly known as INTERLIGHT, of Route des Biches—Moncor—CH 1752, Villars-sur-Glane/Fribourg, Switzerland, have made an application under Section 57 of the Patents Act 1970 for effecting change in their name in the application for Patent No. 150392 (765/Del/78) for "A FOUNTAIN PEN." The amendments are to effect the change in the name and address of the applicants. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, Municipal Market Building, 3rd Floor, Saraswati Marg, Karol Bagh, New Delhi-110005 or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office Branch, New Delhi. If written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

**RENEWAL FEE PAID**

113938 114099 114203 114568 114617 119324 119343 119434  
119609 119799 119816 120007 124795 125203 129133 129831  
129875 129880 129882 130038 130070 130125 130172 130653  
130688 130752 134189 134284 134295 134437 134816 134832  
134865 134988 135019 135087 136577 136754 137228 137287  
137420 137461 137516 137540 137642 137684 137912 138025  
138043 138044 138060 138202 138247 138315 138343 138596  
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148499 149220 149588 149663

**RESTORATION PROCEEDINGS**

Notice is hereby given that an application for restoration of Patent No. 146022 dated the 23rd May, 1977 made by Indian Institute of Science on the 16th March, 1982 and notified in the Gazette of India, Part-III, Section 2 dated the 10th July, 1982 has been allowed and the said patent restored.

**REGISTRATION OF DESIGNS**

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 152037. Mars Seal Private Limited (a company incorporated under the provisions of Companies Act) at 8-Ambalal Doshi Marg, Bombay-400 023, Maharashtra State, India, "Impeller". 7th July, 1982.

Class. 1. No. 152222. Abir Kumar Sarkar, of Flat No. 28, 15, Sarat Chatterjee Avenue, Calcutta-700029, West Bengal, India, an Indian National, "Moped Rickshaw", 25th August, 1982.

Class. 1. No. 152014. Vishal Industrial Products, a partnership Firm under the partnership Act, 1952, at Guru Nagar, Meerut, Uttar Pradesh, "Stove Plate". 26th June, 1982.

Class. 1. No. 152013. Vishal Industrial Products, a partnership Firm under the Partnership Act, 1952, at Guru Nagar, Meerut, Uttar Pradesh, "Wick Plate". 26th June, 1982.

Class. 1. No. 152094. Giranson's Power Control Engineers, Arva Nagar, P.O. Mahesh Nagar, Ambala Cantt. Haryana, India, "Mixer Grinder". 17th July 1982.

Class. 1. No. 152095. Vishal Industrial Products, at Guru Nanak Nagar, Meerut (U.P.), "Stove Plates". 17th July, 1982.

Class. 1. No. 152096. Vishal Industrial Products, at Guru Nanak Nagar, Meerut (U.P.), "the Burner of Stoves". 17th July, 1982.

Class. 1. No. 152401. K.A.S. Oberoi, 15/33, West Patel Nagar, New Delhi-110 008, Union Territory of India, India, an Indian National of the above address, "Gas Stove", 23rd October, 1982.

Class. 1. No. 152400. K.A.S. Oberoi, 15/33, West Patel Nagar, New Delhi-110 008, Union Territory of India, India, an Indian National, of the above address, "Mentle Holder", 23rd October, 1982.

Class. 1. No. 152399. K.A.S. Oberoi, 15/33, West Patel Nagar, New Delhi-110 008, Union Territory of India, India, an Indian National, of the above address. "Gas Stove". 23rd October, 1982.

Class. 3. No. 152189. Summet Polymer, 1819/A, Gali No. 1, Kailash Nagar, Delhi-110 031, a firm registered under the Partnership Act, 1932. "Thermos". 12th August, 1982.

Class. 3. No. 152015. Neosonic Electronics Private Limited, a Company with limited liability incorporated under the Companies Act 1956, manufacturers and Traders, trading as Neosonic Electronics Private Limited having its registered office situated at Executive Centre, DBS Raheja Chambers, 213 Nariman Point, Bombay-400 021, Maharashtra, India. "the container of a Radio". 26th June, 1982.

Class. 3. No. 152170. Bajaj Metal Works, 40, Kamla Market, New Delhi-110 002, Union Territory of Delhi, India, a partnership Company. "Thermostat". 10th August, 1982.

Class. 3. No. 152204. Shree Agencies 4E/13, Jhandewalan Extension, New Delhi-110 055 (India) an Indian Partnership Firm. "Car Wheel Cover". 17th August, 1982.

Class. 3. No. 152283. Colgate-Palmolive Company, a Corporation organised under the laws of the State of Delaware, United States of America, of 300 Park Avenue, New York 10022, United States of America. "Bottle". 14th September, 1982.

Class. 3. No. 152284 Colgate-Palmolive Company, a Corporation organised under the laws of the State of Delaware, United States of America, of 300 Park Avenue, New York, New York 10022. United States of America. "Bottle with Cap". 14th September, 1982.

Class. 3. No. 152303. Asian Advertisers, 20, Kala Bhavan, 3, Mathew Road, Opera House, Bombay-400 004, Maharashtra, an Indian partnership Firm "Memo Rack-cum-Penstand with Ball Pens". 20th September, 1982.

Class. 3. No. 152330. Super Metal Pressing Works, B/5, William Compound, Marve Road, Mith Chowki, Malad (West), Bombay-400 064, Maharashtra State, an Indian Partnership Firm. "Door Bell". 27th September, 1982.

Class. 3. No. 152452. Anjali Products, 170 Bombay Talkies Compound, Malad (West) Bombay-400 064 State of Maharashtra, India, "A Revolving Glass Carrier made of Plastic". 10th November, 1982.

Class. 3. No. 152471. C.T. Family Trust (a Private Discretionary Trust), 95/205, Dadasaheb Phalko Road, Near Dadar Station, Bombay-400 014, Maharashtra, whose Managing Trustee is Chander Parmouand Thakur, Indian, "Food Chopper". 17th November, 1982.

Class. 4. No. 152477. The Mahalakshmi Glass Works Private Limited, a Private Limited Company incorporated under the Indian Companies Act, Dr. E. Moses Road, Jacob Circle, Bombay-400 011, Maharashtra, India. "Bottle". 19th November, 1982.

Extn. of copyright for the Second period of five years.

Nos. 146094, 146095, 151705, 146800, 146866, 146801, 145314, 145315. .... Class-1.

Nos. 152084, 146158. .... Class-3.

Nos. 151642, 151650. .... Class-5.

Extn. of Copyright for the third period of five years.

Nos. 140350, 148730, 151705, 145314, 145315 .... Class-1.

Nos. 140511, 152084. .... Class-3.

Nos. 151642, 151650. .... Class-5.

Name Index of applicants for Patents for the month of September, 1982 (Nos. 1013/Cal/82 to 1137/Cal/82, 221/Bom/82 to 259/Bom/82, 168/Mas/82 to 185/Mas/82 and 665/Del/82 to 733/Del/82).

Name Appln. No.

(A)

A. P. Besson Limited. 1073/Cal/82.

ARBED Societe Anonyme. 248/Bom/82.

American Hoechst Corporation. 1093/Cal/82.

Antoine, R. 1031/Cal/82.

Ashlow Limited. 1063/Cal/82.

Atlas Cycle Industries Limited. 729/Del/82.

Aumund-Fordererbau Gesellschaft Mit Beschränkter Haftung. 1019/Cal/82.

Ausonia Farmaceutici S.R.L. 1125/Cal/82.

(B)

BBC, Brown, Boveri & Company Limited. 1058/Cal/82.

B. F. Goodrich Company, The. 1034/Cal/82, 1113/Cal/82, 1114/Cal/82, 1115/Cal/82.

BICC Public Limited Company. 721/Del/82.

B/K Patent Development, Inc. 1049/Cal/82.

Babcock & Wilcox Company, The. 697/Del/82.

Badsha, M. 174/Mas/82.

Bandag, Incorporated. 698/Del/82, 705/Del/82.

Bapat, K. P. 257/Bom/82.

Barr & Stroud Limited. 1136/Cal/82.

Bata Limited. 1062/Cal/82.

Bayer Aktiengesellschaft. 676/Del/82, 717/Del/82.

Beloit Corporation. 1023/Cal/82.

Best & Crompton Engineering Limited. 184/Mas/82.

Bhagwat, R. V. 224/Bom/82.

Bio Development France. 1109/Cal/82.

Boliden Aktiebolag. 733/Del/82.

Bortolin, P. 712/Del/82.

Budapesti Radiotechnikai Gyar. 675/Del/82.

Bunker Ramo Corporation. 1100/Cal/82.

(C)

Camphor and Allied Products Limited. 243/Bom/82, 244/Bom/82, 245/Bom/82, 246/Bom/82.

Central Machine Tool Institute. 180/Mas/82.

Chaugule, P. J. 259/Bom/82.

Chicopee. 1061/Cal/82.

Chief Controller, Research & Development Organisation, The. 679/Del/82.

Combustion Engineering, Inc. 1045/Cal/82, 1096/Cal/82, 1112/Cal/82.

Compagnie Industrielle Des Telecommunications Cit-Alcatel. 699/Del/82, 701/Del/82, 702/Del/82.

Conveyor Equipment Company Private Ltd. 183/Mas/82.

Co Pharma Corporation. 1081/Cal/82.

Council of Scientific and Industrial Research. 667/Del/82, 668/Del/82, 669/Del/82, 670/Del/82, 671/Del/82, 674/Del/82.

(D)

DIPL. ING. Hitzinger Gesellschaft m.b.H. 688/Del/82

Dr. Beck & Co. AG. 1120/Cal/82.

Danly Machine Corporation. 1030/Cal/82.

Development Consultants Private Limited. 1075/Cal/82.

Doraiswamy, R. N. 170/Mas/82.

<i>Name</i>	<i>Appln. No.</i>	<i>Name</i>	<i>Appln. No.</i>
Dow Chemical Company, The.	1067/Cal/82.	—	—K—
Dunlop India Limited.	1068/Cal/82.	Kabra, G. K.	727/Del/82, 728/Del/82.
(E)		Kastell, W.	1039/Cal/82.
Empress Cubana Importadora Y Exportadores De Products Medicos (Medicuba).	1013/Cal/82.	Kati, N. S.	253/Bom/82, 154/Bom/82.
Energy Conversion Devices, Inc.	1123/Cal/82.	Kawthekar, M. P.	249/Bom/82, 250/Bom/82, 251/Bom/82.
English Electric Co. of India Ltd., The.	181/Mas/82, 182/Mas/82.	Kentredder Limited.	720/Del/82.
Enoxy Chimica S.p.A.	1035/Cal/82.	Khandke, A. J.	236/Bom/82.
Escorts Limited.	678/Del/82.	Kher, R. N.	690/Del/82, 691/Del/82.
Eurographics Holding N.V.	1131/Cal/82.	Kimura Kakoki Co., Ltd.	1048/Cal/82.
Eutectic Corporation.	1110/Cal/82.	Kishinevsky Politekhichesky Institut Imeni S. Lazo.	1124/Cal/82.
Evrard, W.I.A.J.	1033/Cal/82.	Kyowa Hakko Kogyo Kabushiki Kaisha,	1074/Cal/82.
(F)		—L—	
F. L. Smidth & Co. A/S.	1014/Cal/82.	La Telemecanique Electrique.	703/Del/82.
Fives-Call Babcock.	1091/Cal/82.	Lewis, D. R.	1028/Cal/82.
Flonic.	1135/Cal/82.	Licentia Patent-Varwaltungs G.M.B.H.	1098/Cal/82.
Forbo B.V.	1057/Cal/82.	Lowrey, C. B.	1028/Cal/82.
Fosco Trading A.G.	1082/Cal/82, 1101/Cal/82.	Lubrizol Corporation, The.	1044/Cal/82.
Fuller Companv.	716/Del/82.	Lucas Industries Public Limited Company.	1027/Cal/82.
(G)		—M—	
Galloway, L. A.	1028/Cal/82.	Maliya, M. S.	172/Mas/82.
Ganjave, M. D.	239/Bom/82.	Mantis Excavators Limited.	700/Del/82.
General Electric Company.	1021/Cal/82, 1087/Cal/82.	Maschinenfabrik Besta.	1022/Cal/82.
George Fischer Aktiengesellschaft.	1086/Cal/82.	Maschinenfabrik Rieter AG.	1026/Cal/82, 1102/Cal/82, 1103/Cal/82, 1104/Cal/82, 1111/Cal/82.
Ghosh, S. C.	1090/Cal/82.	Mathur, S. N.	725/Del/82, 726/Del/82.
Goel, R. K.	255/Bom/82.	McConway & Torley Corporation.	1047/Cal/82.
Goldman, D. F. E.	1072/Cal/82.	McGraw-Edison Company.	1076/Cal/82, 1077/Cal/82.
Gaval, V. (Mrs.).	685/Del/82.	McIntyre, R. E.	1070/Cal/82.
Gupta, D. M.	714/Del/82.	Mehra, B.	683/Del/82, 686/Del/82.
Gurudutt, M.	169/Mas/82.	Melamine Chemicals, Inc.	672/Del/82.
—H—		Merck Patent Gesellschaft Mit Beschränkter Haftung.	1116/Cal/82, 1133/Cal/82.
Harbans Lal Malhotra & Sons Ltd.	1029/Cal/82, 1118/Cal/82.	Metal Box P.L.C.	1122/Cal/82.
Harish, J. P.	172/Mas/82.	Metallgesellschaft A.G.	1097/Cal/82, 1117/Cal/82.
Heavy Engineering Corporation Limited.	1069/Cal/82.	Minnesota Mining and Manufacturing Company.	1059/Cal/82.
Helix International Limited.	713/Del/82.	Miranda, V. M. R. D.	247/Bom/82.
Hindustan Brown Boveri Ltd.	222/Bom/82, 225/Bom/82, 226/Bom/82, 227/Bom/82, 228/Bom/82.	Mittal, B. L.	709/Del/82, 710/Del/82.
Hitachi Ltd.	1038/Cal/82.	Mittal, P. R.	704/Del/82.
Hoechst Aktiengesellschaft.	1016/Cal/82, 1053/Cal/82, 1092/Cal/82, 1099/Cal/82.	Mobil Oil Corporation.	1088/Cal/82, 1089/Cal/82.
—I—		Moghe, V. Y.	258/Bom/82.
Imperial Chemical Industries PLC.	689/Del/82.	Morris, J. R.	1105/Cal/82.
Indian Institute of Technology.	185/Mas/82.	Mukherjee, R. K.	1056/Cal/82.
Indian Jute Industries' Research Association.	1054/Cal/82, 1055/Cal/82, 1084/Cal/82, 1134/Cal/82.	Mukundam, V. U.	173/Mas/82.
Indira, V.	173/Mas/82.	Murao, Y.	233/Bom/82, 234/Bom/82.
International Standard Electric Corporation.	1015/Cal/82, 1066/Cal/82.	—N—	
Ion Exchange (India) Ltd.	229/Bom/82.	Nair, K.M.R.K.	176/Mas/82.
—J—		National Research Development Corporation of India.	680/Del/82, 681/Del/82, 682/Del/82, 684/Del/82, 687/Del/82, 707/Del/82.
Jacques, L.	1031/Cal/82.	—O—	
Japan Steels Corporation Kabushiki Kaisha.	1064/Cal/82.	O & K Orenstein & Koppel Aktiengesellschaft Berlin.	1132/Cal/82.
Javid, C. S.	175/Mas/82.	OY Sica AB.	1017/Cal/82.
Joishi, A. V.	223/Bom/82.		

<i>Name</i>	<i>Appln. No.</i>	<i>Name</i>	<i>Appln. No.</i>
—P—		Sivasubramanian, R. 177/Mas/82, 178/Mas/82.	
PPG Industries, Inc. 722/Del/82.		Societe de Conseils de recherches & D'Applications Scientifiques. 731/Del/82.	
Pacheriwala, V. K. 1108/Cal/82.		Societe Francaise De Munitions. 1031/Cal/82.	
Palamara, B. 1041/Cal/82.		Sri Krishna Tiles & Potteries (Madras) Private Limited 179/Mas/82.	
Palamara, G. 1041/Cal/82.		Stauffer Chemical Company. 1040/Cal/82, 1052/Cal/82.	
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Patel, D. P. 252/Bom/82.		Sunnen Products Company. 1020/Cal/82.	
Patel, N. J. 237/Bom/82.		Superba S.A. 696/Del/82.	
Permelec Electrode Ltd. 1095/Cal/82.		—T—	
Pfizer Inc. 693/Del/82, 718/Del/82, 719/Del/82.		Thermo King Corporation. 1078/Cal/82.	
Polymer Papers Limited. 692/Del/82.		Tsentralnoe Proektno-Konstruktorskoe Bjuro Po Sistemam Avtomatizatsii Proizvodstva. 1071/Cal/82, 1094/Cal/82	
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Price, W. E. 1028/Cal/82.		Uss Engineering and Consultants, Inc. 711/Del/82.	
—R—		Unie Van Kunstmestfabrieken B.V. 1080/Cal/82.	
RCA Corporation. 1046/Cal/82.		Union Carbide Corporation. 1050/Cal/82, 1126/Cal/82, 1127/Cal/82, 1128/Cal/82, 1129/Cal/82, 1130/Cal/82, 715/Del/82.	
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Ravchem Corporation. 1051/Cal/82.		Vidput Metalics Ltd. 235/Bom/82.	
Rhein-Nadel Maschinennadel Gesellschaft Mit Beschränkter Haftung. 732/Del/82.		Viljamaa, A. K. 1025/Cal/82.	
Riximax Machine Tools Co., Pvt. Ltd. 256/Bom/82.		—W—	
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—S—		Westinghouse Electric Corporation. 1079/Cal/82.	
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Schlumberger Limited. 1065/Cal/82, 1083/Cal/82.		—Y—	
Sealed Power Corporation. 1037/Cal/82.		Yeda Research & Development Co. Ltd. 1137/Cal/82.	
Shinde, A. A. 230/Bom/82.		Yuasa Battery Company Limited. 1032/Cal/82.	
Shin-Etsu Chemical Co. Ltd. 1060/Cal/82.		DR. K. V. SWAMINATHAN, Controller-General of Patents, Designs and Trade Marks	
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Siemens Aktiengesellschaft. 1036/Cal/82, 1085/Cal/82.			
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Singh, K. (Kapur). 708/Del/82.			
Singh, K. C. J. 666/Del/82.			

